TO: Suborbital Science Program **FAX: (202) 358-2770**
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Flight Report

Aircraft :	Kenn Borek Air DC-3T Basler
Operating Site(s) From / To :	NZIR/NZIR
Flight Date :	November 2, 2009 (NZDT)
Flight Number / Data Flight # :	F01 / -
Time out:	**0321 UTC**
Time in:	**0533 UTC**
Flight Time :	2.4
Flt Request # / PI:	NASA 20090602-084128 (Blankenship)
Purpose of Flight :	**Data [ ] Ferry [ ] Functional Check [X] Other [ ]**
Sensor Payload :	University of Texas at Austin HiCARS ice penetrating radar
Comments :	The aircraft flew the first test flight in NERC/NSF ICECAP configuration from McMurdo's sea ice runway. The radar hardware and geodetic GNSS receivers checked out over Mackay Glacier, with the intended target being northern Taylor Dome and the East Antarctic Ice Sheet interior. Our ice penetrating radar system was tested and our transmitters and receivers proved operational. The flight was cut short to 2 hours due to a software bug in the radar data acquisition computer, that later turned out to be a straightforward fix to the acquisition code. Valuable data was gathered for our new GNSS receivers, and airfield procedures assessed.

SUBMITTED BY: Duncan Young   08 November 2009